

Title (en)

APPARATUS FOR GENERATING PHOTON COUNTING SPECTRAL IMAGE DATA

Title (de)

VORRICHTUNG ZUR ERZEUGUNG VON PHOTONENZÄHLUNGSPEKTRALBILDDATEN

Title (fr)

APPAREIL DE GÉNÉRATION DE DONNÉES D'IMAGE SPECTRALE DE COMPTAGE DE PHOTONS

Publication

EP 3838154 A1 20210623 (EN)

Application

EP 19216582 A 20191216

Priority

EP 19216582 A 20191216

Abstract (en)

The present invention relates to an apparatus (10) for generating photon counting spectral image data, comprising: an input unit (20); a processing unit (30); and an output unit (40). The input unit is configured to receive non-photon counting X-ray spectral energy data. The processing unit is configured to implement a deep learning regression algorithm to generate photon counting X-ray spectral data, and the generation comprises utilization of the non-photon counting X-ray spectral energy data. The output unit is configured to output the photon counting X-ray spectral data.

IPC 8 full level

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CPC (source: EP US)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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